

# Material Safety Data Sheet

Product Name: Liquid Lawn & Pasture Fertilizer 20-0-0

MSDS No.: 747-2

Version No.: 001

EPA Registration No.: N/A

**1. Basic Information:**

**Manufacturer:** PBI/Gordon Corporation  
**Address:** 1217 West 12th Street  
**City, State Zip:** Kansas City, MO 64101-1407  
**Information Contact:** Environmental, Health, & Safety Dept.  
**Information Telephone Number:** (816)421-4070  
**Emergency Contact:** Chemtrec  
**Emergency Telephone Number:** (800)424-9300



1	Health
1	Flammability
0	Reactivity
B	Pers. Protection

Last Update: 5/16/2005

**Chemical State:**  Liquid     Gas     Solid  
**Chemical Type:**  Pure     Mixture

**2. Ingredients:**

Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA 313		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z						
6484522	Ammonium nitrate	29.4%	N	N	N	N	N	NI	NI	NI	
57136	Urea	21.8%	N	N	N	N	N	NI	NI	NI	

**3. Hazardous Identification:**

**Hazard Category:**  
 Acute     Chronic     Fire     Pressure     Reactive

**Hazardous Identification Information:**  
 Colorless liquid; slight ammonia odor.

Irritant.

**4. First Aid Measures:**

**Route(s) of Entry:**  
 Contact, inhalation, ingestion.

**Health Hazards (Acute and Chronic):**  
 EYES: Contact may cause irritation or burning.

SKIN: Contact may cause irritation.

INHALATION: May irritate respiratory tract.

INGESTION: May irritate gastrointestinal tract.

**Signs and Symptoms:**  
 NI

**Medical Conditions Generally Aggravated by Exposure:**  
 NI

**Emergency First Aid Procedure:**  
 EYES: Flush eyes with clean water for 10-15 minutes. If irritation persists, seek medical attention.

SKIN: Bathe and shampoo with soap and water to remove chemicals from skin and hair. If irritation persists, seek medical attention. Launder contaminated clothing separately prior to reuse.

INHALATION: Remove victim to fresh air; apply artificial respiration if needed. If irritation persists, seek medical attention.

First Aid Measures (Continued)

INGESTION: If swallowed, drink as much water as can be tolerated. Call a physician or Poison Control Center. Do not induce vomiting.

**Other Health Warnings:**  
 NI

**5. Fire Fighting Measures:**

**Flash Point:** >200°F    **F.P. Method:**

**Lower Explosive Limit:** NI

**Upper Explosive Limit:** NI

**Fire Extinguishing Media:**  
 Foam, CO2, dry chemical, water.

**Special Fire Fighting Procedures:**  
 Wear self-contained positive pressure breathing apparatus and full protective clothing. Runoff water from fire control may cause pollution. If surface water is contaminated, contact the local pollution prevention agency.

**Unusual Fire and Explosion:**  
 NI

**6. Accidental Release Measures:**

**Steps to be Taken in Case Material is Released or Spilled:**  
 Do not touch spilled product. See Section 8 for Personal Protective Equipment. Collect spilled material onto inert absorbent and place into disposal drums. Cover and label the containers for proper use or disposal.

**7. Handling and Storage:**

**Precautions to be Taken:**  
 Store in original container in locked storage area inaccessible to children and pets.

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## Handling and Storage (Continued)

### Other Precautions:

NI

### 8. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

Local exhaust.

#### Personal Protective Equipment:

PROTECTIVE CLOTHING: Wear long sleeve shirt, long pants, shoes with socks, and chemical-resistant gloves..

EYE PROTECTION: Safety glasses with side shields or safety goggles.

RESPIRATORY PROTECTION: Should not be required. If exposure limits may be exceeded, wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

### 9. Physical and Chemical Properties:

**Boiling Point:** 220°F                      **Melting Point:** NI

**Evaporation Rate (Butyl Acetate = 1) :** <1

**Vapor Pressure (mm Hg.):** NI

**Vapor Density (Air = 1):** >1

**Specific Gravity (H2O = 1):** 1.19900

**Solubility in Water:** Soluble.

**Appearance and Odor:** Colorless liquid; ammonia odor

#### Other Information:

pH: 7.5

Density: 10.00 pounds/gallon

Freezing temperature: <35°F

### 10. Stability and Reactivity:

#### Stability:

Stable.

#### Incompatibility (Materials to Avoid):

None known.

#### Decomposition/By-Products:

Decomposes when burning to ammonia and nitrogen oxide fumes.

#### Hazardous Polymerization:

Will not occur.

### 11. Toxicological Information:

No toxicological data available.

### 12. Ecological Information:

NI

### 13. Disposal Considerations:

Dispose of DOT drums, waste and contaminated absorbent according to Local, State and Federal regulations.

### 14. Transport Information:

The following guidelines apply for domestic ground transport. If

## Transport Information (Continued)

shipping by air or ocean, please contact our Transportation Dept.

Freight Class: Fertilizers, NOI - NMFC #68140

In our current available sizes, this product does not qualify as a Hazardous Material.

### 15. Regulatory Information:

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: All the ingredients in this mixture are on the TSCA Chemical Substances Inventory.

CERCLA REPORTABLE QUANTITY: None

#### SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard

SECTION 313 TOXIC CHEMICALS: Ammonium Nitrate CAS# 6484-52-2

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

### 16. Other Information:

REASON FOR ISSUE: New MSDS in the ANSI Z400.1-1998 format

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.